

CLAIMS

What is claimed is:

1. A computerized electronic dental record management system comprising:
a camera for capturing images of a patient's teeth;
5 a computer for storing the captured images and inputting patient data; and
a database for organizing and managing the captured images and patient data into
an electronic dental record.
2. The computerized electronic dental record management system of claim 1, whereby
10 the patient data comprises, registration, cancellation, appointment, and contact information.
3. The computerized electronic dental record management system of claim 2, whereby
the patient data further comprises, identification card number, driver's license number, and
social security number.
- 15 4. The computerized electronic dental record management system of claim 2, whereby
the patient data is stored on a memory card, smart card, or any integrated circuit card that
has an integrated circuit board.
- 20 5. The computerized electronic dental record management system of claim 1, whereby
the electronic dental record comprises a patient's photograph, patient's data, and a catalog
of the patient's captured images.
6. The computerized electronic dental record management system of claim 1, whereby
25 the database comprises database searching, image input, and processing of medical images.

7. The computerized electronic dental record management system of claim 6, whereby the image input allows an X-ray input as well as the camera input.
- 5 8. The computerized electronic dental record management system of claim 6, whereby the database further comprises reference images.
9. The computerized electronic dental record management system of claim 1, whereby the camera is a miniature camera with a movable head comprising a head, a handle and a
10 joint connecting the head and handle so that the head can move in relation to the handle.
10. The computerized electronic dental record management system of claim 9, whereby the head comprises a camera and a light source for illumination.
- 15 11. The computerized electronic dental record management system of claim 10, whereby the handle for medical personnel to grip comprises a camera circuit control and a camera on/off switch.
12. The computerized electronic dental record management system of claim 11, further
20 comprising a light source on/off switch.
13. The computerized electronic dental record management system of claim 1, further comprising a soft transparent plastic cover for covering the camera for hygiene reasons.
- 25 14. The computerized electronic dental record management system of claim 1, further

comprising:

a network connection means for providing access to the database via the Internet, local area network and wide area network; and

a network security means for preventing unauthorized access to the database.

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15. The computerized electronic dental record management system of claim 1, whereby the database provides direct recording of patient's personal data; displaying patient's registration number, diagnosis time, image capture time and date and medical records and images; displaying remaining storage space, recognition, user authorization, non
10 changeable and printable medical records, and displaying medical records horizontally of different patients and vertically of same patient but at a different time.

16. The computerized electronic dental record management system of claim 1, further comprising:

15 a hand-held monitor for the patient to view images from the camera during diagnosis; and

an adaptor for connecting the camera to the hand-held monitor.

17. The computerized electronic dental record management system of claim 17, whereby the adaptor comprises a radio transmitter for transmitting to a radio receiver in the
20 hand-held monitor or other image receivers.

18. The computerized electronic dental record management system of claim 1, further comprising a foot switch for triggering capture of the image.

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19. A computerized electronic record management system comprising:

a camera for capturing images of a patient;

a computer for storing the captured images and inputting patient data; and

a database for organizing and managing the captured images and patient data into

5 an electronic medical record.

20. A computerized electronic record management system whereby, the electronic medical record is a record of dental, tooth, oral, skin, dermatological, proctological, gynaecological, or internal medicine conditions.

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